

## PRELIMINARY AGENDA

ELSO 33RD ANNUAL CONFERENCE BOSTON, MA, USA



### Pre-Conference - From Pumps to Program: How to Build (and Grow) a High Quality ECMO Program

#### Pre-Conference Day 1 - Wednesday September 14

##### Salon E-K

1:00 - 2:00 PM	<b>Starting from Scratch: The Patient Population and Access to ECMO</b>	
1:00 - 1:05 PM	<b>Welcome and Introduction</b>	Elizabeth Moore, RN, MBA
1:05 - 1:20 PM	If We Build It, Will They Come? Is Starting an ECMO Program Right for Your Hospital?	Susan Tanzi-Pfeifer, MBA
1:20 - 1:35 PM	EC-YES or EC-NO: Indications and Contraindications for ECMO	Joseph Tonna, MD, MS
1:35 - 1:50 PM	ECMO on Wheels: Considerations in ECMO Transport Program	Jason Bartos, MD
1:50 - 2:00 PM	Panel Discussion	
<b>2:00 - 3:00 PM</b>	<b>Program Structure, Staffing, and Policy Development</b>	
2:05 - 2:20 PM	It Takes a Team: Structuring Your Program for Success	Elizabeth Moore, RN, MBA
2:20 - 2:35 PM	How Do I Know What Staffing Paradigm is Right for Our Program?	Jayne Sheldrake, MSc, RN
2:35 - 2:50 PM	Always in Fashion: All You Need to Know About ECMO Circuits and ECMO Accessories	Justin Sleasman, CCP
2:50 - 3:00 PM	Panel Discussion	
<b>3:00 - 3:15 PM</b>	<b>Break</b>	
<b>3:15 - 4:30 PM</b>	<b>Basics of ECMO: Preparing Your Team to Care for These Patients</b>	
3:15 - 3:30 PM	Oxygen In, CO2 Out: ECMO Physiology and Gas Exchange	Robert Bartlett, MD, FLSO
3:30 - 3:45 PM	Essential Patient Management in VV ECMO	Cara Agerstrand, MD
3:45 - 4:00 PM	When the Heart Fails: Managing a Patient on VA ECMO	Raj Ramanan, MD
4:00 - 4:15 PM	Anticoagulation: Dealing with Bleeding and Thrombosis	Troy Seelhammer, MD
4:15 - 4:30 PM	Panel Discussion	
<b>4:30 - 5:00 PM</b>	<b>Small Group Discussions</b>	

#### Pre-Conference Day 2 - Thursday September 15

##### Salon E-K

<b>8:00 - 9:00 AM</b>	<b>Education, Training and Competency</b>	
8:05 - 8:20 AM	What is the Value of Global, Standardized ECMO Education?	Bishoy Zakhary, MD
8:20 - 8:35 AM	The E-AEC: Everything You Need to Know About Certification	Jenelle Badulak, MD
8:35 - 8:50 AM	ECMO Simulation: It's More than Technical Training	Mateusz Puslecki, MD, PhD, DBA
8:50 - 9:00 AM	Panel Discussion	Marek Dabrowski, DBA, PhD, MPH, MSc
<b>9:00 - 10:15 AM</b>	<b>Advanced Management Strategies</b>	
9:00 - 9:15 AM	Imaging on ECMO: What, How, and When	Adam Dalia, MD, MBA
9:15 - 9:30 AM	Help! Critical Response to ECMO Emergencies	Velia Antonini, RN
9:30 - 9:45 AM	Unique Issues: The Awake or Extubated ECMO Patient	Phillip Mason, MD
9:45 - 10:00 AM	All You Need to Know About ECMO Weaning	Craig Rackley, MD
10:00 - 10:15 AM	Panel Discussion	
<b>10:15 - 10:30 AM</b>	<b>Break</b>	
<b>10:30 - 11:30 AM</b>	<b>Would You or Wouldn't You? Interactive Cases</b>	
10:30 - 10:45 AM	Challenging Cases in Neo-Peds ECMO	Natalie Rintoul, MD
10:45 - 11:00 AM	Challenging Cases - VV ECMO	Kiran Shekar, MBBS, PhD
11:00 - 11:15 AM	Challenging Cases - VA ECMO	E. Wilson Grandin, MD
11:15 - 11:30 AM	Panel Discussion	
<b>11:30 AM</b>	<b>Pre-Conference Concludes</b>	

#### ELSO Heart Lab

##### Thursday September 15, 2022

<b>10:00 - 11:30 AM</b>	<b>2 Sessions Available; 50 Participants per Session</b>	Kasia Hryniewicz, MD
<b>Boylston &amp; Tremont Rooms</b>	<b>Add-on Event; Requires Registration</b>	Jonathan Haft, MD
<b>4:00 - 5:30 PM</b>	<b>2 Sessions Available; 50 Participants per Session</b>	Karol Mudy, MD
<b>Boylston &amp; Tremont Rooms</b>	<b>Add-on Event; Requires Registration</b>	Michael McMullan, MD



## ELSO 33rd Annual Conference - "Leading ECMO Globally"

### Day 1 - Thursday September 15, 2022 (1:00 PM to 5:30 PM)

All times Eastern US (Boston)

<b>1:00 - 2:30 PM</b>	<b>Opening Remarks &amp; Keynote Address</b>	
<b>Salon A-K</b>		
1:00 - 1:05 PM	Welcome Remarks	Matthew Paden, MD
1:05 - 1:35 PM	Keynote Address	Derek Angus, MD, MPH
	<b>Plenary Session: Science at the Cutting Edge: ECLS and Beyond</b>	<b>Moderator: Susanna Price, MD</b>
		<b>Moderator: Navin Kapur, MD</b>
1:35 - 1:45 PM	50th Anniversary of 1st ECMO Case	J. Donald Hill, MD, FELLO
1:45 - 1:55 PM	New Frontiers of ECLS in Cardiovascular Medicine	Roberto Lorusso, MD, PhD, FELLO
1:55 - 2:05 PM	Pediatric ECMO Research and Trial Design	Peta Alexander, MBBS
2:05 - 2:15 PM	Pushing Boundaries: Experience in Xenotransplantation	Bart Griffith, MD
2:15 - 2:30 PM	Panel Discussion	
<b>2:30 - 3:00 PM</b>	<b>Break with Exhibitors and Poster Presentations</b>	
<b>3:00 - 4:00 PM</b>	<b>Breakouts 1-3</b>	
	Breakout 1	
<b>Salon A-E</b>	<b>ECMO and the Pregnant Patient: Two Lives at Stake</b>	<b>Moderator: Bjorn Frenckner, MD, PhD, FELLO</b>
		<b>Moderator: Kollengode Ramanathan, MBBS, DNB</b>
3:00 - 3:08 PM	ECMO in Pregnancy: Evidence and Management Approaches	Cara Agerstrand, MD
3:10 - 3:18 PM	A Dangerous Combination: Management Considerations in the Pregnant Patient with Pulmonary Hypertension	Erika Berman, MD
3:20 - 3:28 PM	Looking After the Little One: Fetal Monitoring and Physiologic Optimization	Farah Siddiqui, MD
3:30 - 3:38 PM	The Baby's Coming: Delivery Planning on ECMO and Consultation for High Risk Deliveries	Priya Nair, MD
3:40 - 3:48 PM	Remarkable Case: The Power of What's Possible	Peter Barrett, MD
3:50 - 4:00 PM	Panel Discussion	
	Breakout 2	
<b>Salon F</b>	<b>Congenital Heart Disease: From Cradle to Drivers Licenses and Beyond</b>	<b>Moderator: René Gómez Gutiérrez, MD</b>
		<b>Moderator: Ravi Thiagarajan, MD, FELLO</b>
3:00 - 3:08 PM	How Does a Robust ECMO Service Support Congenital Cardiac Surgery Programs?	Michael McMullan, MD
3:10 - 3:18 PM	How are we Approaching Neonatal ECMO for Babies with Congenital Heart Disease?	Eleonore Valencia, MD
3:20 - 3:28 PM		Diana Geisser, MD
3:30 - 3:38 PM	How do we Support Patients and Families as They Return for Planned Surgeries After a Complicated Post-Op Course?	Nneka Alexander, PhD
3:40 - 3:48 PM	How is ECMO for Congenital Heart Disease Different When My Patient Has a Beard?	Marc Anders, MD
3:50 - 4:00 PM	Panel Discussion	
	Breakout 3	
<b>Salon G-K</b>	<b>Maintaining a High Functioning ICU Team: What the Pandemic Revealed</b>	<b>Moderator: James Fortenberry, MD, FELLO</b>
		Ahmed Labib, MB, BCh, MSc
3:00 - 3:08 PM	The Shadow Side: PTSD and Moral Injury in Critical Care	Jo-Anne Fowles, MSc, RN
3:10 - 3:18 PM	Pandemic Challenges and Solutions in ECMO Nursing	Katherine Porterfield, PhD
3:20 - 3:28 PM	Creating a Culture of Resilience in Your ECMO Team	Heidi Dalton, MD, MCM, FELLO
3:30 - 3:38 PM	Where Do We Go From Here: How the Pandemic Will Change ICU Care	
3:40 - 4:00 PM	Panel Discussion	
<b>4:00 - 4:10 PM</b>	<b>Transition Time</b>	
<b>4:10 - 5:30 PM</b>	<b>Breakouts 4-6</b>	
	Breakout 4	
<b>Salon A-E</b>	<b>Cutting Edge in ARDS: The Science and the Management</b>	<b>Moderator: Daniel Brodie, MD, FELLO</b>
		Eddy Fan, MD, PhD
4:10 - 4:18 PM	Prolonged ECMO for ARDS: Clinical Strategies for Success	Matthieu Schmidt, MD
4:20 - 4:28 PM	Prone Positioning During ECMO: To Flip or Not To Flip	Sarina Sahetya, MD, MHS
4:30 - 4:38 PM	Personalized Approaches to Protective Ventilation and Respiratory Mechanics in ARDS	Ewan Goligher, MD, PhD
4:40 - 4:48 PM	Impact of Spontaneous Breathing During Ventilation on Lung Injury, with and without ECMO	
4:50 - 4:58 PM	<b>Debate: Prolonged COVID-19 ARDS: Bridge to Recovery or Bridge to Transplant?</b>	Ankit Bharat, MD
5:10 - 5:18 PM		Nicholas Barrett, MD
5:20 - 5:30 PM	Panel Discussion	
	Breakout 5	
<b>Salon F</b>	<b>Cardiogenic Shock Demystified</b>	<b>Moderator: Alain Combes, MD, PhD, FELLO</b>
		Daniel Burkhoff, MD, PhD
4:10 - 4:18 PM	Pathophysiology of Cardiogenic Shock: From Bench to Simulation Modeling	John Fraser, MB, ChB, PhD, FELLO
4:20 - 4:28 PM	The Inflammatory Field of Microcirculatory Disturbance is Where the Battle of Cardiogenic Shock is Lost or Won: How ECMO Can Win This Battle	Jennifer Cowger, MD, MS
4:30 - 4:38 PM	Cardiogenic Shock Definitions: SCAI Criteria Revised	Navin Kapur, MD
4:40 - 4:48 PM	VA ECMO, Impella, or Both: What is the Algorithm?	Leonardo Salazar, MD
4:50 - 4:58 PM	Biventricular Dysfunction: Pitfalls, Approach, and Management	Susanna Price, MD
5:00 - 5:08 PM	Future Therapies in Cardiogenic Shock: Next Gen Approaches	
5:10 - 5:30 PM	Panel Discussion	

Breakout 6

**Salon G-K**

4:10 - 4:18 PM  
4:20 - 4:28 PM  
4:30 - 4:38 PM  
4:40 - 4:48 PM

**All About the Oxygen: Optimizing Perfusion During ECMO**  
Tissue Oxygenation During ECMO: Monitoring and Clinical Impact  
Getting Rid of Limb Ischemia in Peripheral VA ECMO: Utopia or Fact  
Transfusion Practices in ECMO: What We've Learned from PROTECMO  
Refractory Hypoxemia on VV ECMO: Medical and Mechanical Solutions

**Moderator: Justin Sleasman, CCP**  
Dana Mullin, CCP  
Giles Peek, MD, FELLO  
Gennaro Martucci, MD  
Heidi Dalton, MD, MCCM, FELLO

4:50 - 4:58 PM  
5:10 - 5:18 PM  
5:20 - 5:30 PM

**Debate: Bivalirudin vs Heparin for ECMO Anticoagulation: Are We Ready To Go to DTIs?**  
Panel Discussion

Bishop Zakhary, MD  
Gail Annich, MD, FELLO

**5:30 - 7:00 PM**

**Poster Presentations**

**Day 2 - Friday September 16, 2022**

All times Eastern US (Boston)

**7:00 - 8:00 AM**

**Breakfast**

**8:15 - 9:30 AM**

**Plenary Day 2: Critical Care in the Media**

8:15 - 8:35 AM  
8:35 - 8:55 AM  
8:55 - 9:10 AM  
9:10 - 9:30 AM

The Influence of Media and Social Media on our Practices  
A Journalist's Perspective: What Healthcare Providers Need to Know  
Update from ELSO  
Panel Discussion

**Moderator: Graeme MacLaren, MBBS, MSc, FELLO**  
**Moderator: Cara Agerstrand, MD**  
Daniel Brodie, MD, FELLO  
Gideon Gil, MS  
Christine Stead, MHSA

**9:30 - 10:00 AM**

**Break with Exhibitors and Poster Presentations**

**10:00 - 11:00 AM**

**Breakouts 7-9**

Breakout 7

**Salon A-E**

**ECCO2R: State of the Science for Respiratory Failure**

10:00 - 10:08 AM  
10:10 - 10:18 AM  
10:20 - 10:28 AM  
10:30 - 10:38 AM  
10:40 - 11:00 AM

ECCO2R for ARDS: Where do we go from REST?  
What's Next in Clinical Trials in ECCO2R for COPD  
On the Horizon: Device Development in ECCO2R  
Impact of ECCO2R on Pulmonary Hypertension and the Right Ventricle  
Panel Discussion

**Moderator: Jenelle Badulak, MD**  
**Moderator: Thomas Mueller, MD, FELLO**  
Christian Karagiannidis, MD  
Steven Keller, MD, PhD, Mphil  
Corey Ventetuolo, MD, MS

Breakout 8

**Salon F**

**Challenges in Venoarterial ECMO and MCS**

10:00 - 10:08 AM  
10:10 - 10:18 AM  
10:20 - 10:28 AM  
10:30 - 10:38 AM  
10:40 - 11:00 AM

Supporting, Bridging, Weaning: A Practical Approach to Patients Receiving Temporary MCS  
When to Think of Myocardial Recovery: Unloading and Reloading  
Axillary Access: When and How  
ECMO in Extreme Obesity: Does BMI Matter?  
Panel Discussion

**Moderator: Kasia Hryniewicz, MD**  
**Moderator: Vincent Pellegrino, MD**  
Alain Combes, MD, PhD, FELLO  
Jane Wilcox, MD, MSc  
Koji Takeda, MD, PhD  
Roberto Lorusso, MD, PhD, FELLO

Breakout 9

**Salon G-K**

**Congenital Diaphragmatic Hernia: ECMO Challenges & Considerations**

10:00 - 10:08 AM  
10:10 - 10:18 AM  
10:20 - 10:28 AM  
10:30 - 10:38 AM  
10:40 - 11:00 AM

What We Know About Center Volume and ECMO Outcomes  
Surgery on ECMO: Timing and Technique  
How to Manage the Neonatal Lung: Ventilator Strategies on ECMO  
On the Road to Recovery: The Threshold for Decannulation  
Panel Discussion

**Moderator: Holly Hedrick, MD**  
**Moderator: Matteo Di Nardo, MD**  
Yigit Guner, MD  
Holly Hedrick, MD  
Katie Russell, MD  
Diana Vargas, MD  
Matteo Di Nardo, MD  
Thomas Schaible, MD  
Thomas Schaible, MD  
Diana Vargas, MD  
Matteo Di Nardo, MD  
Lakshmi Raman, MD

**11:00 - 11:10 AM**

**Transition Time**

<b>11:10 - 12:10 PM</b>	<b>Breakouts 10-12</b>	
	Breakout 10	
<b>Salon A-E</b>	<b>COVID-19: What's the Evidence in 2022?</b>	<b>Moderator: Eddy Fan, MD, PhD</b>
11:10 - 11:18 AM	ECMO for ARDS in COVID-19: Effective Therapy or Wishful Thinking?	Martin Urner, MD
11:20 - 11:28 AM	Phenotypes in COVID-19 ARDS: What We've Learned	David Furfaro, MD
11:30 - 11:38 AM	Cytokine Storm in COVID-19: Fact or Fiction	Daniel Leisman, MD
11:40 - 11:48 AM	Severe COVID in the Pediatric Population	Melania Bembea, MD, PhD, MPH
11:48 - 12:10 PM	Panel Discussion	
	Breakout 11	
<b>Salon F</b>	<b>Too Much of a Good Thing? Leveraging Data for Management of the Sickest Patients in the ICU</b>	<b>Moderator: Joseph Tonna, MD, MS</b>
11:10 - 11:15 AM	QI to Come: Improving Care with Machine Learning Models	Joshua Fuller
11:15 - 11:23 AM	How Can we Innovate ECMO Components to Leverage and Support AI at the Bedside?	James Beck, CCP
11:25 - 11:33 AM	How Can EHR-Derived AI Inform Learning Healthcare Models in ECMO?	Shelly DeForte, PhD, MS
11:35 - 11:43 AM	What Are the Barriers to AI Informed Management Models of ECMO at Payer and Corporate Governance Levels?	Jeffrey Geppert, JD, Med
11:45 - 11:53 AM	Standardized Clinical Assessment and Management Plans (SCAMPs): A Learning Healthcare Model Applied to ECMO	Peta Alexander, MBBS
11:55 - 12:10 PM	Panel Discussion	
	Breakout 12	
<b>Salon G-K</b>	<b>Adventures in ECMO: Bedside Essentials</b>	<b>Moderator: David Hebert, RRT, NPS</b>
11:10 - 11:18 AM	Patient Assessment, Head to Toe: What I Want My Team to Know	<b>Moderator: Erik Osborn, MD</b>
11:20 - 11:28 AM	Continuous Renal Replacement Therapy and Plasmapheresis on ECMO: Bedside Essentials	Whitney Gannon, MSN, ACNP-BC
11:30 - 11:38 AM	Protecting the Largest Organ: Skin and Cannula Care	Leen Vercaemst, CCP
11:40 - 11:48 AM	Managing the Awake Patient on ECMO	Erin August, RN, MSN
11:50 - 11:58 AM	Lessons Learned in ECMO Transport: Specialists on the Move	Jayne Sheldrake, MSc, RN
11:58 - 12:10 PM	Panel Discussion	Bradley Kuch, RRT, NPS
<b>12:10 - 1:30 PM</b>	<b>Exhibit Hall and Poster Presentations, Lunch Break</b>	
<b>Salon E</b>	Sponsored Talk	
<b>Salon F</b>	Sponsored Talk	
<b>Salon G</b>	Sponsored Talk	
<b>1:30 - 2:50 PM</b>	<b>Breakouts 13-15</b>	
	Breakout 13	
<b>Salon A-E</b>	<b>Innovation in ECMO</b>	<b>Moderator: Palle Palmer, MD</b>
1:30 - 1:38 PM	The Next Frontier in ECMO Devices and Non-Invasive Monitoring	James Beck, CCP
1:40 - 1:48 PM	Innovations in the ECMO Lab: Insights from Dr. Bartlett	Robert Bartlett, MD, FELS0
1:50 - 1:58 PM	Translating Your Ideas to Patient Care	Janene Fuerch, MD
2:00 - 2:08 PM	It Takes a Village (and a Grant): Getting Your ECMO Study Funded	Melania Bembea, MD, PhD, MPH
2:10 - 2:18 PM	Innovation in ECMO from the FDA's Perspective	Nicole Gillette, BS
2:20 - 2:50 PM	Panel Discussion	
	Breakout 14	
<b>Salon F</b>	<b>State of the Art in Resuscitation: ECPR at the Cutting Edge</b>	<b>Moderator: Simon Finney, MB, ChB, PhD</b>
1:30 - 1:38 PM	Pathophysiology and Hemodynamics of Cardiac Arrest	Andrea Elliot, MD
1:40 - 1:48 PM	ECPR for OHCA: Time to Change the Practice?	Jan Belohavek, MD, PhD
1:50 - 1:58 PM	There's no "I" in ECPR: Developing a High Functioning ECPR Team	Vincent Pellegrino, MD
2:00 - 2:08 PM	Pediatric ECPR: Where we Stand with Research and Trial Design	John Kheir, MD
2:10 - 2:18 PM	Debate - ECPR versus Opening the Chest for Post-Cardiotomy Arrest? Is there a Gold Standard?	Karol Mudy, MD
2:20 - 2:28 PM		Jonathan Haft, MD
2:30 - 2:50 PM	Panel Discussion	
	Breakout 15	
<b>Salon G-K</b>	<b>Humanity in the ICU: Ethics and Palliative Care</b>	<b>Moderator: Luiz Caneo, MD, PhD</b>
1:30 - 1:38 PM	Palliative Care: Integrative Approaches in ECMO and Critical Care	<b>Moderator: Mark Ogino, MD, FELS0</b>
1:40 - 1:48 PM	Organ Donation from ECMO: Brain Death and DCD	Whitney Kiker, MD
1:50 - 1:58 PM	Challenging Case: End of Life in Pediatric ECMO	Emily Vail, MD, MSc
2:00 - 2:08 PM	From the Family's Perspective: What I Would Want the ICU to Know	Grace van Leeuwan, MD
2:10 - 2:18 PM	Debate - How Do We Justly Allocate ECMO in Resource Limited Settings: Should Expected Survival and Quality of Life Impact ECMO Candidacy?	David Furfaro, MD
2:20 - 2:28 PM		Wynne Morrison, MD, MBE
2:30 - 2:50 PM	Panel Discussion	Kiran Shekar, MBBS, PhD
<b>2:50 - 3:20 PM</b>	<b>Break with Exhibitors and Poster Presentations</b>	

<b>3:20 - 4:20 PM</b>	<b>Breakouts 16-18</b> Breakout 16	
<b>Salon A-E</b>	<b>Surgical Controversies in ECMO: Management Strategies &amp; Expert Discussion</b>	<b>Moderator: Heidi Dalton, MD, MCCM, FLSO</b> <b>Moderator: Bishoy Zakhary, MD</b>
3:20 - 3:28 PM	Put a Tube In It? Chest Tubes and Management of the Pleural Space	Nathalie Roy, MD
3:30 - 3:38 PM	Tracheostomy: Timing & Technique	Phillippe Lemaitre, MD, PhD
3:40 - 3:48 PM	RV Failure in ARDS: When to Convert to VA or VPA	Phillip Mason, MD
3:50 - 3:58 PM	Cannulation Complications and Surgical Mishaps: What Can Happen & How to Avoid	Michael McMullan, MD
4:00 - 4:20 PM	Panel Discussion	
	Breakout 17	
<b>Salon F</b>	<b>Expanded Uses for VA ECMO: A New Weapon in Our Hands for Complex Conditions</b>	<b>Moderator: Roberto Lorusso, MD, PhD, FLSO</b> <b>Moderator: Pranya Sakiyalak, MD</b>
3:20 - 3:28 PM	Prophylactic MCS in Cardiac Surgery: A New Weapon in Our Hands in Complex Procedures	Scott Silvestry, MD
3:30 - 3:38 PM	Mechanical Complications of MI: Timing of Repair	Jonathan Haft, MD
3:40 - 3:48 PM	ECMO in Septic Shock? When is VA the Answer?	Graeme MacLaren, MBBS, MSc, FLSO
3:50 - 3:58 PM	MCS as a Bridge to Transplantation: Lessons from New Allocation System	Amy Hackmann, MD
4:00 - 4:20 PM	Panel Discussion	
	Breakout 18	
<b>Salon G-K</b>	<b>ELSO Research Grant and Oral Abstract Presentations</b>	<b>Moderator: Eddy Fan, MD, PhD</b>
	Association between Disrupted Cerebral Autoregulation and Radiographic Neurologic Injury for Children on Extracorporeal Membrane Oxygenation: A Pilot Study	Ethan Sanford
	Platelet Function in Pediatric ECMO Patients	Colin Mowrer
	Family Priorities in Pediatric ECMO Recovery: A Single Center Survey Study	Elizabeth Herrup
	Improving Neurologic Outcomes After Respiratory Arrest Using a Porcine ECPR Model	Alejandro Garcia
	Does an Educational Video Improve Parental Understanding of ECMO?	Rachael Sundland
	Automated pupillometry for the prediction of neurologic outcomes in children requiring extracorporeal membrane oxygenation (ECMO)	Nicolle Diaz
<b>4:20 - 4:30 PM</b>	<b>Transition Time</b>	
<b>4:30 - 5:30 PM</b>	<b>Breakouts 19-21</b> Breakout 19	
<b>Salon A-E</b>	<b>ECMO in Pandemics: Preparing for the Next One</b>	<b>Moderator: Gail Annich, MD, FLSO</b>
4:30 - 4:38 PM	Coordination of a National ECMO Infrastructure: Challenges and Lessons Learned	Rodrigo Diaz, MD, FLSO
4:40 - 4:48 PM	Why Don't We Coordinate ECMO Services Across Regions?	Vincent Pellegrino, MD
4:50 - 4:58 PM	ECMO Research in Pandemics: What We Need in Place	Ewan Goligher, MD, PhD
5:00 - 5:08 PM	Considerations in ECMO Access and Equity	Anna Condella, MD, MA
5:10 - 5:18 PM	ELSO's Role in Future Pandemics	Matthew Paden, MD
5:20 - 5:30 PM	Panel Discussion	
	Breakout 20	
<b>Salon F</b>	<b>Neurologic Injury During ECMO</b>	<b>Moderator: Ravi Thiagarajan, MD, FLSO</b> <b>Moderator: Aparna Hoskote, MD</b>
4:30 - 4:38 PM	Strategies for Early Recognition of Brain Injury in the ECMO Patient	Lakshmi Raman, MD
4:40 - 4:48 PM	Beyond Medical Management in Embolic CVA	Alfred See, MD
4:50 - 4:58 PM	Neurologic Complications on Pediatric ECMO	Aparna Hoskote, MD
5:00 - 5:08 PM	Rare but Devastating: Anterior Spinal Cord Stroke in VA ECMO	Simon Finney, MB, ChB, PhD
5:10 - 5:18 PM	Optimization of Cerebral Perfusion on ECMO after Cardiac Arrest	Thomas Mueller, MD, FLSO
5:20 - 5:30 PM	Panel Discussion	
	Breakout 21	
<b>Salon G-K</b>	<b>Neonatal ECMO: Next Gen Approaches for the Next Gen - Expert Panel and Moderated Discussion</b>	<b>Moderator: Natalie Rintoul, MD</b> <b>Moderator: Javier Kattan, MD</b>
4:30 - 4:38 PM	Update on the Venovenous Dual Lumen Cannula in Neonates	Brian Gray, MD
	Panel Discussion:	Robert Digeronimo, MD
	Evolving and Revolving: Time to Change from Roller to Centrifugal Pumps?	Francesca Miquel-Verges, MD
4:40 - 5:30 PM	Bival for the Win? Contemporary Approaches to Anticoagulation in the Neonate	John Daniel, MD, MS
		Carly Heyrend, PharmD
		Nicholas Carr, DO
		Kathleen Ryan, MD
<b>6:00 - 7:00 PM</b>	<b>Evening Reception</b>	
<b>Exhibit Floor</b>		
<b>7:00 - 8:00 PM</b>	<b>Award Ceremony</b>	
<b>Salon E-F-G</b>	Award of Excellence, FLSO, Best Abstract	

**Day 3 - Saturday September 17, 2022 (8 AM to 12 PM)**

All times Eastern US (Boston)

<b>7:00 - 8:00 AM</b>	Breakfast	
<b>Salon E</b>	Directors' Meeting with Breakfast	
<b>Salon G</b>	Coordinators' Meeting with Breakfast	
<b>Exhibit Hall</b>	Breakfast - For All Other Attendees	
<b>8:30 - 9:30 AM</b>	<b>Breakouts 22-24</b> Breakout 22	
<b>Salon A-E</b>	<b>ECMO for Lung Transplantation</b>	<b>Moderator: Amy Hackmann, MD</b> <b>Moderator: William Lynch, MD</b>
8:30 - 8:38 AM	A New Indication? Lung Transplant in the Post-COVID Patient	Marcelo Cypel, MD, MSc
8:40 - 8:48 AM	BTT Consults from Afar: Pre-Transplant Evaluation of Patients on ECMO	Anil Trindade, MD
8:50 - 8:58 AM	Optimizing Physiologic Support for BTT: Why the RV Matters	Jasleen Kukreja, MD, MPH
9:00 - 9:08 AM	New Frontiers in ECLS for Donor Organ Preservation and Recovery	Rei Ukita, PhD
9:10 - 9:30 AM	Panel Discussion	
	Breakout 23	
<b>Salon F</b>	<b>ECMO, VAD, and Everything in Between: How Can Evidence Inform the Best MCS Strategy for Children with Heart Failure</b>	<b>Moderator: Peta Alexander, MBBS</b> <b>Moderator: Giles Peek, MD, FELS0</b>
8:30 - 8:38 AM	Decision-Making for Central vs Peripheral (and Upper vs Lower Body) VA-Cannulation	Francis Fynn-Thompson, MD
8:40 - 8:48 AM	Patients with Cardiogenic Shock Should be Supported with VAD	Angela Lorts, MD, MBA
8:50 - 8:58 AM	The Case for Patients with Cardiogenic Shock Being Supported with ECMO	Graeme MacLaren, MBBS, MSc, FELS0
9:00 - 9:08 AM	Patients with Cardiogenic Shock Need Impella (With or Without ECMO)	Sebastian Tume, MD
9:10 - 9:30 AM	Panel Discussion	
	Breakout 24	
<b>Salon G-K</b>	<b>ELSO Registry Session</b>	<b>Moderator: Joseph Tonna, MD, MS</b>
8:30 - 8:38 AM	Updates to the SOC Data Request Process and Proposal Reviews	Kollengode Ramanathan, MBBS, DNB Aparna Hoskote, MD Marc Anders, MD
8:40 - 8:48 AM	Using the ELSO Registry for Research	E. Wilson Grandin, MD
8:50 - 8:58 AM	Industry use of the ELSO Registry to Support Device Approval and Surveillance	Erika O'Neil, MD
9:00 - 9:08 AM	Using the Quality Dashboard in Clinical Practice	Phil Boonstra, PhD
9:10 - 9:30 AM	Panel Discussion	Elliott Cohen, MD
<b>9:30 - 9:40 AM</b>	<b>Transition Time</b>	
<b>9:40 - 10:40 AM</b>	<b>Breakouts 25-27</b> Breakout 25	
<b>Salon A-E</b>	<b>A Breath of Fresh Air: Hot Topics in Pediatric Respiratory ECMO</b>	<b>Moderator: Thomas Brogan, MD, FELS0</b>
9:40 - 9:48 AM	ECMO in Bone Marrow / Stem Cell Transplant: Expert Consensus Review	Matteo Di Nardo, MD
9:50 - 9:58 AM	Airway and Tracheostomy Management in Pediatric ECMO	Joseph Kohne, MD
10:00 - 10:08 AM	PEACE Out: The Pediatric ECMO Anticoagulation Collaborative (PEACE) Consensus	Jennifer Muszynski, MD, MPH
10:10 - 10:18 AM	What Comes Next: What We Know About Long-Term Outcomes in Pediatric ECMO	Laurance Lequier, MD
10:20 - 10:40 AM	Panel Discussion	
	Breakout 26	
<b>Salon F</b>	<b>Award of Excellence</b>	<b>Moderator: Tracy Morrison, RN, FELS0</b>
9:40 - 9:50 AM	The ELSO Award of Excellence: Blueprint for Building a Quality Centric Program	Cory Ellis, CCP, FELS0
9:52 - 10:05 AM	The ELSO Quality Reporting Platform: Arbormetrix and Excellence	Harry Kallas, MD
10:05 - 10:20 AM	Achieving Excellence: Designing Safe Staffing Strategies During a Surge	Vincent Pellegrino, MD
10:20 - 10:40 AM	Panel Discussion	
	Breakout 27	
<b>Salon G-K</b>	<b>Let's Get Moving: Physical Rehabilitation During ECMO</b>	<b>Moderator: Craig Rackley, MD</b> <b>Moderator: Dana Mullin, CCP</b>
9:40 - 9:48 AM	Physical Therapy in Critical Illness: Standard of Care in ECMO?	Hussein Kanji, MD
9:50 - 9:58 AM	Safety First: Developing a Rehabilitation Program for ECMO Patients	Bernadette Elliott, RN, CCRN, CEN
10:00 - 10:08 AM	The Next Hurdle: Mobilization During VA ECMO	Darryl Abrams, MD
10:10 - 10:18 AM	Mobility in Pediatric ECLS Patients	Desiree Bonadonna, MPS, CCP
10:20 - 10:40 AM	Panel Discussion	
<b>10:40 - 10:50 AM</b>	<b>Transition Time</b>	
<b>10:50 AM - 11:50 AM</b>	<b>Closing Remarks</b>	Matthew Paden, MD
<b>Salon A-E</b>		Graeme MacLaren, MBBS, MSc, FELS0